

Release notes for ENDF/B Development g-004_Be_009
evaluation

ENDF
B-VII.dev

December 2, 2016

- fizcon Errors:

1. Missing files (probably spectra for outgoing particles)
MAT -1 MF 6 (1): Missing files (a)

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ERROR(S) - MISSING SECTIONS IN MAT  -1 MF  6
  PRESENCE OF FILE 3, MT= 102 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 103 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 104 REQUIRES AN EQUIVALENT SECTION IN FILE 6
  PRESENCE OF FILE 3, MT= 105 REQUIRES AN EQUIVALENT SECTION IN FILE 6
... [1 more lines]

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- fudge-4.0 Warnings:

1. For distributions, flat interpolation along incident energy is unphysical!
reaction label 1: n + H1 + Li7 + gamma / Product: gamma / Distribution: / uncorrelated - energy - XYs2d: (Error # 0): flatIncidentEnergyInterpolation

WARNING: For distributions, flat interpolation along incident energy is unphysical!

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 0: n[multiplicity:'2'] + Be7 / Cross section: (Error # 0): Q mismatch

WARNING: Calculated and tabulated thresholds disagree: 2.0563e7 eV vs 2.0588e7 eV!
WARNING: Calculated and tabulated Q-values disagree: -20482524.9442997 eV vs -2.0563e7 eV!

2. Calculated and tabulated Q values disagree.
reaction label 1: n + H1 + Li7 + gamma / Cross section: (Error # 0): Q mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.8919e7 eV vs 1.894e7 eV!
WARNING: Calculated and tabulated Q-values disagree: -19931801.29137802 eV vs -1.8919e7 eV!

3. Calculated and tabulated thresholds don't agree
reaction label 2: Be9 + gamma / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1.e6 eV!

4. Calculated and tabulated Q values disagree.
reaction label 3: n + He4[multiplicity:'2'] (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3547150.536570549 eV vs -1.573e6 eV!

5. Calculated and tabulated Q values disagree.
reaction label 4: H1 + Li8-s / Cross section: (Error # 0): Q mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.6886e7 eV vs 1.6903e7 eV!
WARNING: Calculated and tabulated Q-values disagree: -17367112.11618423 eV vs -1.6886e7 eV!

6. Calculated and tabulated Q values disagree.
reaction label 5: H2 + Li7-s / Cross section: (Error # 0): Q mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.6695e7 eV vs 1.6712e7 eV!
WARNING: Calculated and tabulated Q-values disagree: -17193742.59527206 eV vs -1.6695e7 eV!

7. Calculated and tabulated Q values disagree.
reaction label 6: H3 + Li6_s / Cross section: (Error # 0): Q mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.7688e7 eV vs 1.7707e7 eV!
WARNING: Calculated and tabulated Q-values disagree: -17654404.08774185 eV vs -1.7688e7 eV!

8. Calculated and tabulated Q values disagree.
reaction label 7: He3 + He6_s / Cross section: (Error # 0): Q mismatch

WARNING: Calculated and tabulated thresholds disagree: 2.1175e7 eV vs 2.1202e7 eV!
WARNING: Calculated and tabulated Q-values disagree: -21144126.80985165 eV vs -2.1175e7 eV!